



OIIPE

RAW SEQUENCE LISTING

DATE: 01/26/2002

PATENT APPLICATION: US/09/988,019

TIME: 14:02:05

Input Set : N:\Crf3\RULE60\09988019.raw

Output Set: N:\CRF3\01252002\I988019.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: SOKOL, Pamela A.

6 KOOI, Cora D.

8 (ii) TITLE OF INVENTION: CONSERVED METALLOPROTEASE EPITOPES

10 (iii) NUMBER OF SEQUENCES: 29

12 (iv) CORRESPONDENCE ADDRESS:

13 (A) ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS, LLP

14 (B) STREET: P.O. Box 1404

15 (C) CITY: Alexandria

16 (D) STATE: Virginia

17 (E) COUNTRY: USA

18 (F) ZIP: 22313-1404

20 (v) COMPUTER READABLE FORM:

21 (A) MEDIUM TYPE: Floppy disk

22 (B) COMPUTER: IBM PC compatible

23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

24 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

26 (vi) CURRENT APPLICATION DATA:

C--> 27 (A) APPLICATION NUMBER: US/09/988,019

C--> 28 (B) FILING DATE: 16-Nov-2001

29 (C) CLASSIFICATION:

31 (vii) PRIOR APPLICATION DATA:

32 (A) APPLICATION NUMBER: US/08/772,282

33 (B) FILING DATE: 20-DEC-1996

37 (viii) ATTORNEY/AGENT INFORMATION:

38 (A) NAME: STANEK REA, Teresa

39 (B) REGISTRATION NUMBER: 30,427

40 (C) REFERENCE/DOCKET NUMBER: 024916-005

42 (ix) TELECOMMUNICATION INFORMATION:

43 (A) TELEPHONE: (703) 836-6620

44 (B) TELEFAX: (703) 836-2021

47 (2) INFORMATION FOR SEQ ID NO: 1:

49 (i) SEQUENCE CHARACTERISTICS:

50 (A) LENGTH: 25 amino acids

51 (B) TYPE: amino acid

52 (C) STRANDEDNESS: single

53 (D) TOPOLOGY: linear

55 (ii) MOLECULE TYPE: peptide

60 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

62 Val Ser His Gly Phe Thr Glu Gln Asn Ser Gly Leu Ile Tyr Arg Gly

63 1 5 10 15

65 Gln Ser Gly Gly Met Asn Glu Ala Phe

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/988,019

DATE: 01/26/2002
TIME: 14:02:05

Input Set : N:\Crf3\RULE60\09988019.raw
Output Set: N:\CRF3\01252002\I988019.raw

```
66          20          25
68 (2) INFORMATION FOR SEQ ID NO: 2:
69   (i) SEQUENCE CHARACTERISTICS:
70       (A) LENGTH: 9 amino acids
71       (B) TYPE: amino acid
72       (C) STRANDEDNESS: single
73       (D) TOPOLOGY: linear
74   (ii) MOLECULE TYPE: peptide
81   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
83   Val Ser His Gly Phe Thr Glu Gln Asn
84       1          5
86 (2) INFORMATION FOR SEQ ID NO: 3:
87   (i) SEQUENCE CHARACTERISTICS:
88       (A) LENGTH: 9 amino acids
89       (B) TYPE: amino acid
90       (C) STRANDEDNESS: single
91       (D) TOPOLOGY: linear
92   (ii) MOLECULE TYPE: peptide
99   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
101   His Gly Phe Thr Glu Gln Asn Ser Gly
102       1          5
104 (2) INFORMATION FOR SEQ ID NO: 4:
105   (i) SEQUENCE CHARACTERISTICS:
106       (A) LENGTH: 9 amino acids
107       (B) TYPE: amino acid
108       (C) STRANDEDNESS: single
109       (D) TOPOLOGY: linear
110   (ii) MOLECULE TYPE: peptide
117   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
119   Phe Thr Glu Gln Asn Ser Gly Leu Ile
120       1          5
122 (2) INFORMATION FOR SEQ ID NO: 5:
123   (i) SEQUENCE CHARACTERISTICS:
124       (A) LENGTH: 9 amino acids
125       (B) TYPE: amino acid
126       (C) STRANDEDNESS: single
127       (D) TOPOLOGY: linear
128   (ii) MOLECULE TYPE: peptide
135   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
137   Glu Gln Asn Ser Gly Leu Ile Tyr Arg
138       1          5
140 (2) INFORMATION FOR SEQ ID NO: 6:
141   (i) SEQUENCE CHARACTERISTICS:
142       (A) LENGTH: 9 amino acids
143       (B) TYPE: amino acid
144       (C) STRANDEDNESS: single
145       (D) TOPOLOGY: linear
146   (ii) MOLECULE TYPE: peptide
153   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/988,019

DATE: 01/26/2002
TIME: 14:02:05

Input Set : N:\Crf3\RULE60\09988019.raw
Output Set : N:\CRF3\01252002\I988019.raw

155 Asn Ser Gly Leu Ile Tyr Arg Gly Gln
156 1 5
158 (2) INFORMATION FOR SEQ ID NO: 7:
160 (i) SEQUENCE CHARACTERISTICS:
161 (A) LENGTH: 9 amino acids
162 (B) TYPE: amino acid
163 (C) STRANDEDNESS: single
164 (D) TOPOLOGY: linear
166 (ii) MOLECULE TYPE: peptide
171 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
173 Gly Leu Ile Tyr Arg Gly Gln Ser Gly
174 1 5
176 (2) INFORMATION FOR SEQ ID NO: 8:
178 (i) SEQUENCE CHARACTERISTICS:
179 (A) LENGTH: 9 amino acids
180 (B) TYPE: amino acid
181 (C) STRANDEDNESS: single
182 (D) TOPOLOGY: linear
184 (ii) MOLECULE TYPE: peptide
189 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
191 Ile Tyr Arg Gly Gln Ser Gly Gly Met
192 1 5
194 (2) INFORMATION FOR SEQ ID NO: 9:
196 (i) SEQUENCE CHARACTERISTICS:
197 (A) LENGTH: 9 amino acids
198 (B) TYPE: amino acid
199 (C) STRANDEDNESS: single
200 (D) TOPOLOGY: linear
202 (ii) MOLECULE TYPE: peptide
207 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
209 Arg Gly Gln Ser Gly Gly Met Asn Glu
210 1 5
212 (2) INFORMATION FOR SEQ ID NO: 10:
214 (i) SEQUENCE CHARACTERISTICS:
215 (A) LENGTH: 9 amino acids
216 (B) TYPE: amino acid
217 (C) STRANDEDNESS: single
218 (D) TOPOLOGY: linear
220 (ii) MOLECULE TYPE: peptide
225 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
227 Gln Ser Gly Gly Met Asn Glu Ala Phe
228 1 5
230 (2) INFORMATION FOR SEQ ID NO: 11:
232 (i) SEQUENCE CHARACTERISTICS:
233 (A) LENGTH: 19 amino acids
234 (B) TYPE: amino acid
235 (C) STRANDEDNESS: single
236 (D) TOPOLOGY: linear
238 (ii) MOLECULE TYPE: peptide

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/988,019

DATE: 01/26/2002
TIME: 14:02:05

Input Set : N:\Crf3\RULE60\09988019.raw
Output Set: N:\CRF3\01252002\I988019.raw

243 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
245 Ser Gly Ala Leu Arg Tyr Met Asp Gln Pro Ser Arg Asp Gly Arg Ser
246 1 5 10 15
248 Ile Asp Met
251 (2) INFORMATION FOR SEQ ID NO: 12:
253 (i) SEQUENCE CHARACTERISTICS:
254 (A) LENGTH: 9 amino acids
255 (B) TYPE: amino acid
256 (C) STRANDEDNESS: single
257 (D) TOPOLOGY: linear
259 (ii) MOLECULE TYPE: peptide
264 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
266 Ser Gly Ala Leu Arg Tyr Met Asp Gln
267 1 5
269 (2) INFORMATION FOR SEQ ID NO: 13:
271 (i) SEQUENCE CHARACTERISTICS:
272 (A) LENGTH: 9 amino acids
273 (B) TYPE: amino acid
274 (C) STRANDEDNESS: single
275 (D) TOPOLOGY: linear
277 (ii) MOLECULE TYPE: peptide
282 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
284 Ala Leu Arg Tyr Met Asp Gln Pro Ser
285 1 5
287 (2) INFORMATION FOR SEQ ID NO: 14:
289 (i) SEQUENCE CHARACTERISTICS:
290 (A) LENGTH: 9 amino acids
291 (B) TYPE: amino acid
292 (C) STRANDEDNESS: single
293 (D) TOPOLOGY: linear
295 (ii) MOLECULE TYPE: peptide
300 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
302 Arg Tyr Met Asp Gln Pro Ser Arg Asp
303 1 5
305 (2) INFORMATION FOR SEQ ID NO: 15:
307 (i) SEQUENCE CHARACTERISTICS:
308 (A) LENGTH: 9 amino acids
309 (B) TYPE: amino acid
310 (C) STRANDEDNESS: single
311 (D) TOPOLOGY: linear
313 (ii) MOLECULE TYPE: peptide
318 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
320 Met Asp Gln Pro Ser Arg Asp Gly Arg
321 1 5
323 (2) INFORMATION FOR SEQ ID NO: 16:
325 (i) SEQUENCE CHARACTERISTICS:
326 (A) LENGTH: 9 amino acids
327 (B) TYPE: amino acid
328 (C) STRANDEDNESS: single

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/988,019

DATE: 01/26/2002

TIME: 14:02:05

Input Set : N:\Crf3\RULE60\09988019.raw

Output Set: N:\CRF3\01252002\I988019.raw

329 (D) TOPOLOGY: linear
331 (ii) MOLECULE TYPE: peptide
336 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
338 Gln Pro Ser Arg Asp Gly Arg Ser Ile
339 1 5
341 (2) INFORMATION FOR SEQ ID NO: 17:
343 (i) SEQUENCE CHARACTERISTICS:
344 (A) LENGTH: 9 amino acids
345 (B) TYPE: amino acid
346 (C) STRANDEDNESS: single
347 (D) TOPOLOGY: linear
349 (ii) MOLECULE TYPE: peptide
354 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
356 Ser Arg Asp Gly Arg Ser Ile Asp Met
357 1 5
359 (2) INFORMATION FOR SEQ ID NO: 18:
361 (i) SEQUENCE CHARACTERISTICS:
362 (A) LENGTH: 9 amino acids
363 (B) TYPE: amino acid
364 (C) STRANDEDNESS: single
365 (D) TOPOLOGY: linear
367 (ii) MOLECULE TYPE: peptide
372 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
374 Asp Gly Thr Ala Met Leu Phe Gly Asp
375 1 5
377 (2) INFORMATION FOR SEQ ID NO: 19:
379 (i) SEQUENCE CHARACTERISTICS:
380 (A) LENGTH: 9 amino acids
381 (B) TYPE: amino acid
382 (C) STRANDEDNESS: single
383 (D) TOPOLOGY: linear
385 (ii) MOLECULE TYPE: peptide
390 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
392 Tyr Leu Leu Ala Asn Ser Pro Gly Trp
393 1 5
395 (2) INFORMATION FOR SEQ ID NO: 20:
397 (i) SEQUENCE CHARACTERISTICS:
398 (A) LENGTH: 9 amino acids
399 (B) TYPE: amino acid
400 (C) STRANDEDNESS: single
401 (D) TOPOLOGY: linear
403 (ii) MOLECULE TYPE: peptide
408 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
410 Arg Tyr Phe Asp Gln Pro Ser Arg Asp
411 1 5
413 (2) INFORMATION FOR SEQ ID NO: 21:
415 (i) SEQUENCE CHARACTERISTICS:
416 (A) LENGTH: 9 amino acids
417 (B) TYPE: amino acid

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/988,019

DATE: 01/26/2002

TIME: 14:02:06

Input Set : N:\Crf3\RULE60\09988019.raw

Output Set: N:\CRF3\01252002\I988019.raw

L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]